



Safe Environment Engineering

Presented By:

David Lamensdorf - President

Established – 1993

28474 Westinghouse Place

Valencia, CA 91355

(661) 295-5500 • (661) 294-9246 FAX

www.safeenv.com

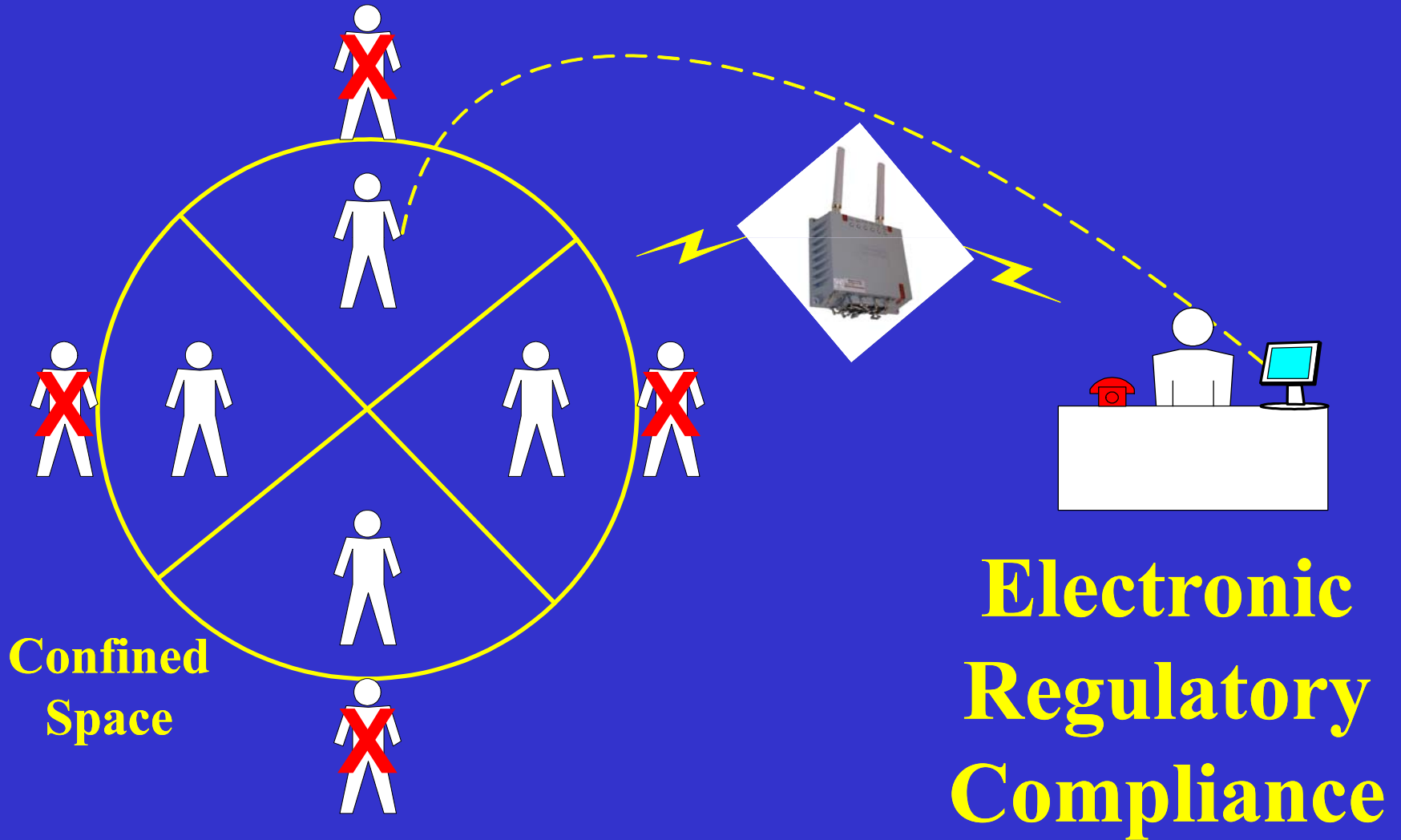
Customers Include:



GENERAL DYNAMICS
Electric Boat



Life•line

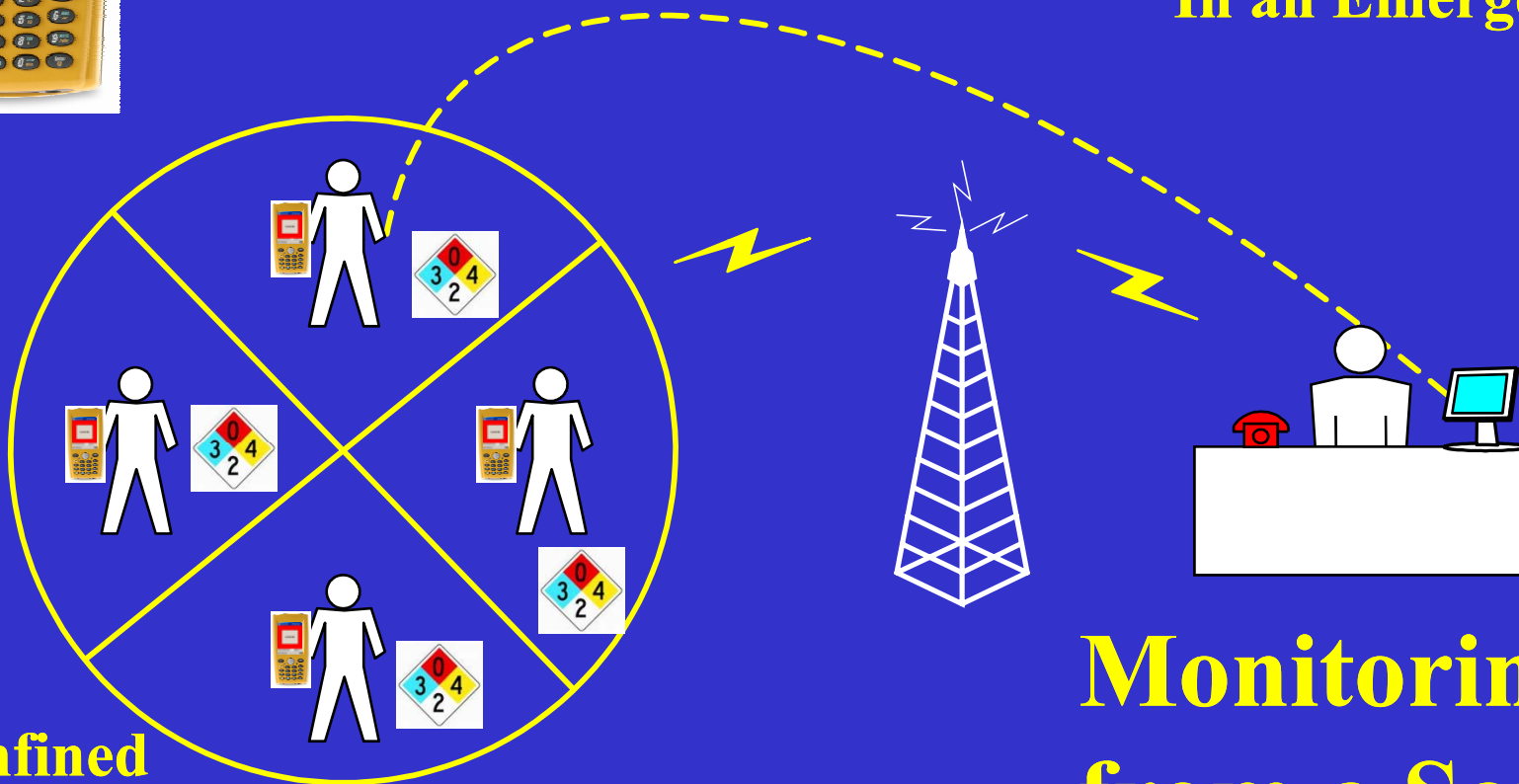




Life•line



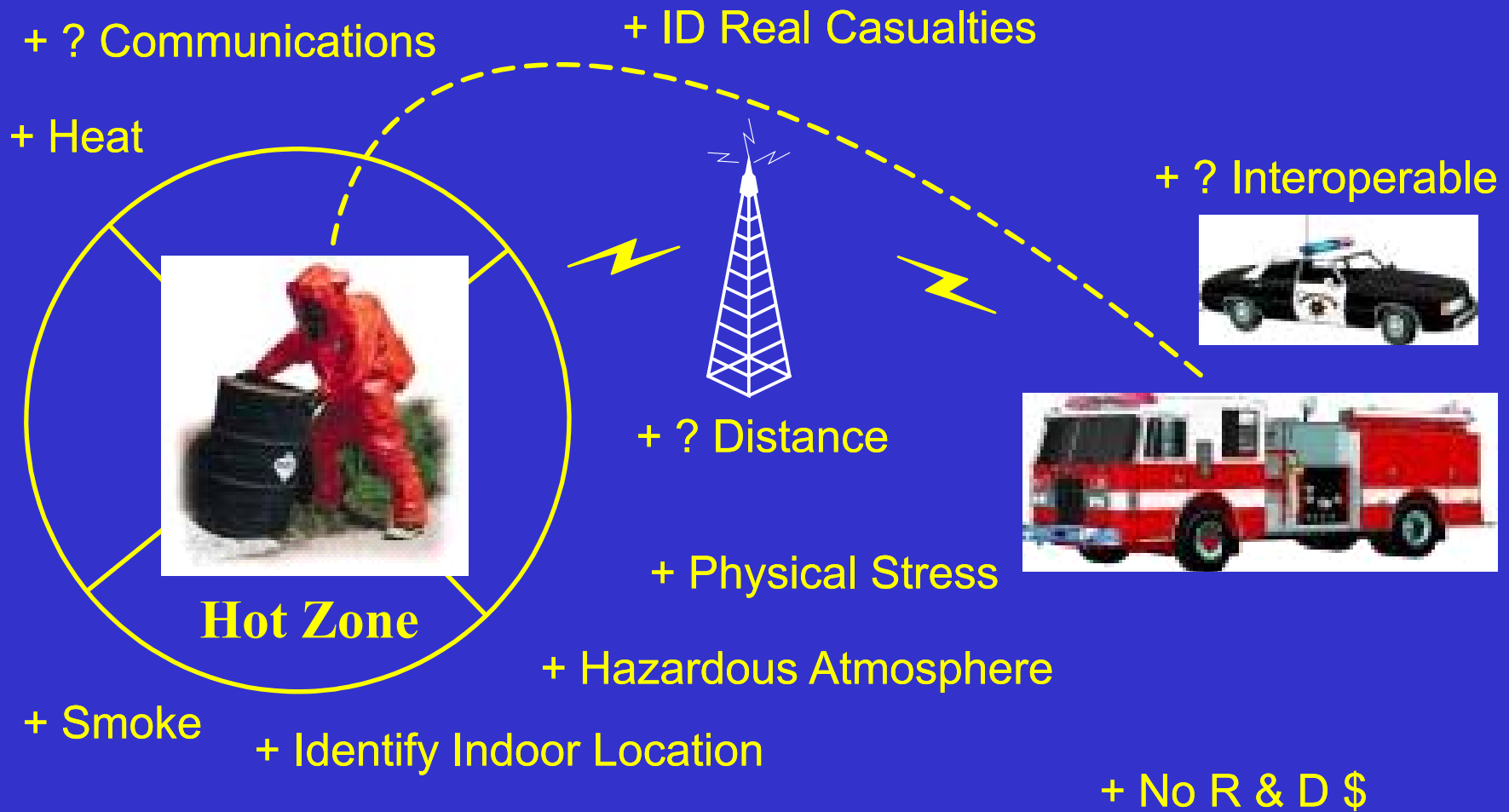
In an Emergency



**Confined
Space**

**Monitoring
from a Safe
Location**

Public Safety Problems



Problem/Solution



Problem: Broadcasting sensor readings over traditional radio systems.



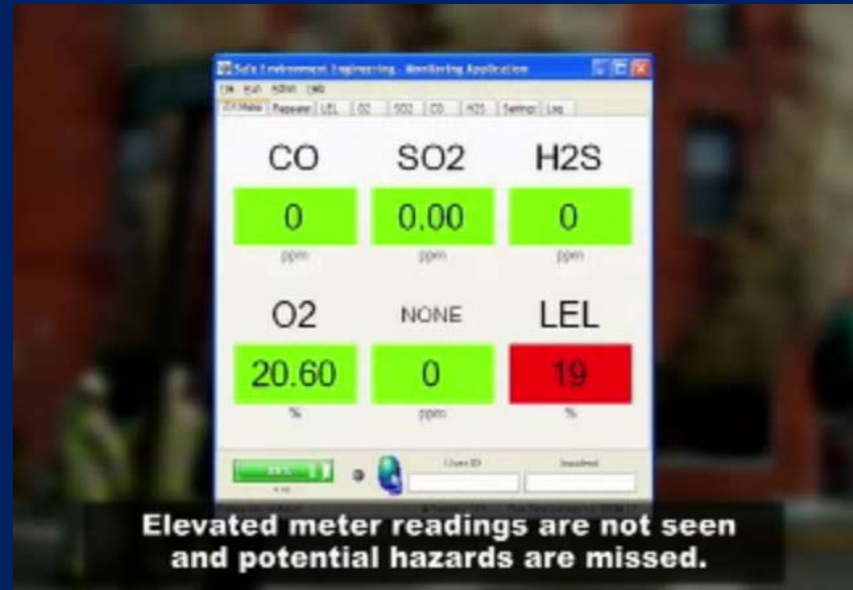
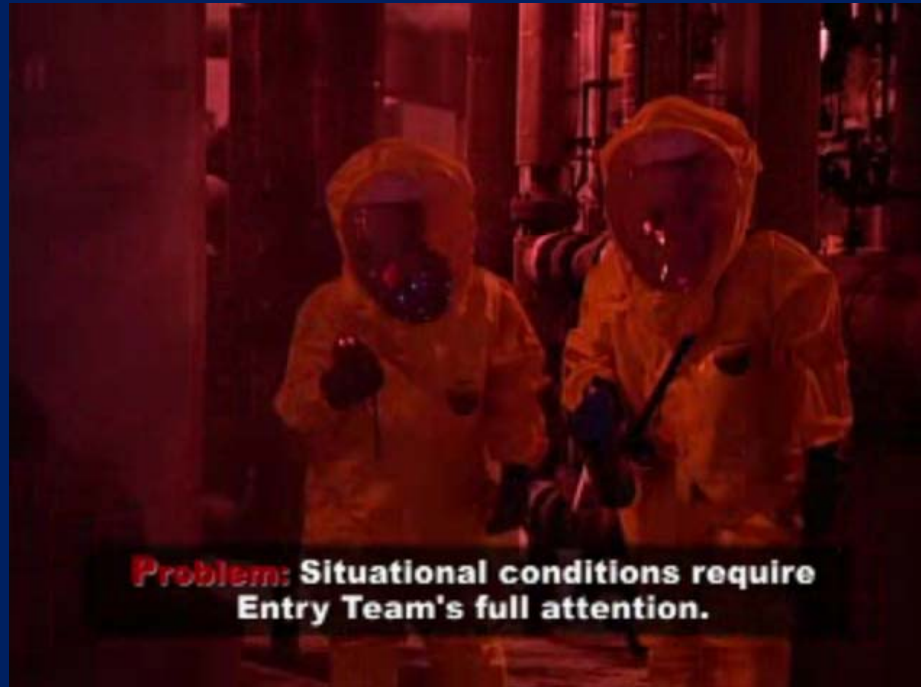
Media can listen in and report inappropriate data to the public.

Problem/Solution

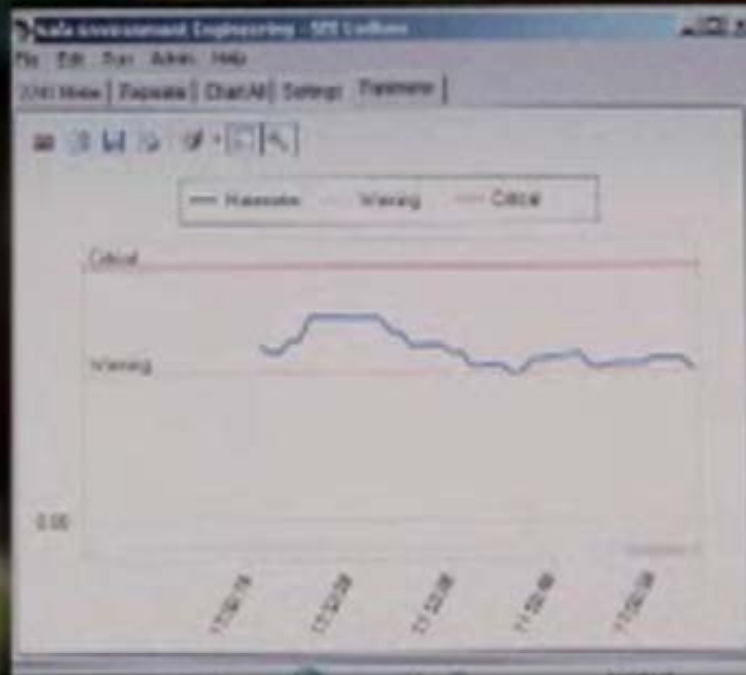


These decision makers can, in turn, make public announcements when and where appropriate.

Problem/Solution



Problem/Solution



Solution: Technical representatives view live trends from sensor readings and alert the Entry Team of changing conditions.

Problem/Solution

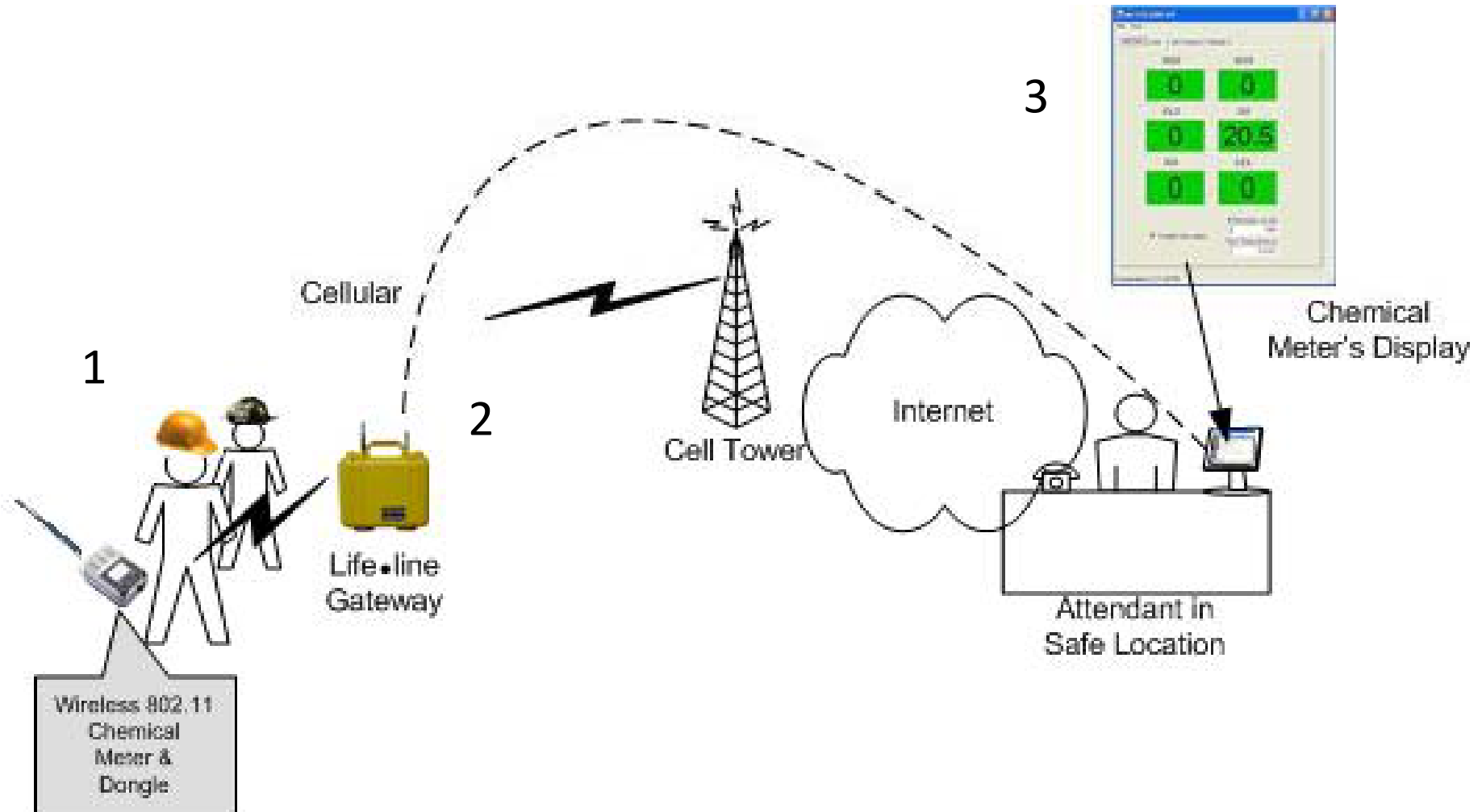


Problem/Solution



Solution: Implementing established cellular technology capable of penetrating many environments.

Life-Line Wireless Monitoring System



Federal Standard – Information Interoperability

Safe Environment Engineering - SEE iTX

File Edit Run Admin Help

iTX Meter Repeater Chart All **CAP Alert** LEL O2 CO H2S

TcpIp Stream Settings
IP Address: 127.0.0.1 Status ☐ Connected
Port: 8200 ☐ Send

GPS Settings
IP Address: Status ☐ Connected
Port: ☐ Get GPS

Email Section
Send CAP Alert Message Email
Receiver: info@safeenv.com
Server: smtpout.secureserver.net
Password: Port: 80

Alert Section
Identifier: SEE093533812
Sender: CAP@safeenv.com
Date Sent: 2007-11-22T09:35:33-08:00
Status: System
Msg Type: Update
Source: Industrial Scientific iTX,SEE iTX.xml,000B2802
Scope: Restricted

Info Section
Category: Other
Event: Reading
Urgency: Immediate
Severity: Unknown
Certainty: Observed
Date Expires: 2007-11-23T09:35:33-08:00
Head Line: LEL:-3.%;Green,O2:20.7%;Green,NONE:0;ppm,Gr
Info Description: Probe Type:None
Instruction: Sensors:6,Battery:38%

Area Section
Area Description:
Circle:

DMI Services Open
Username: COG ID: Password: ☐ Send

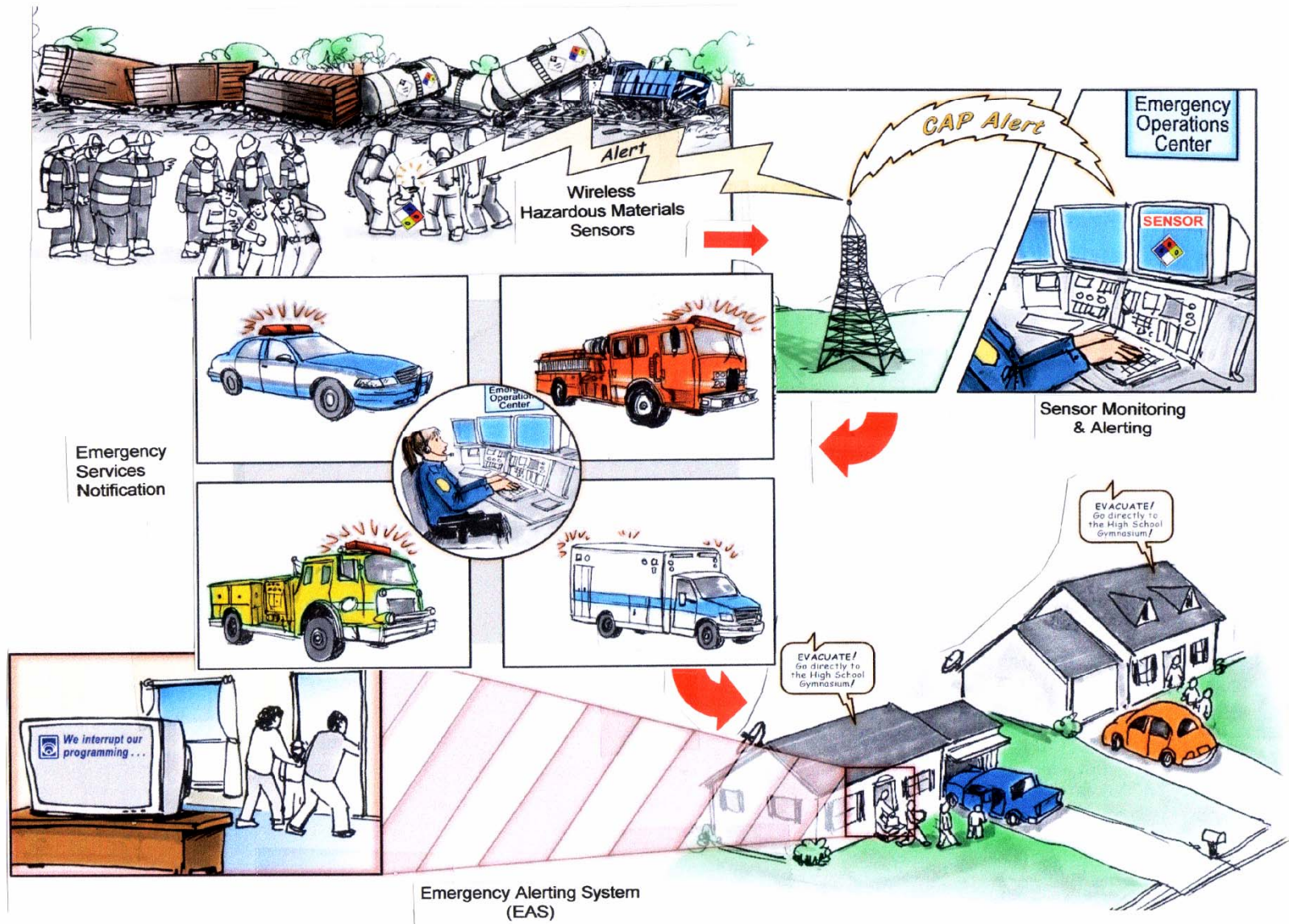
MyStateUSA
Username: mystate Password: ☒ Send

Nuparadigm
☐ Send

38% 3.5V
Battery info updated.

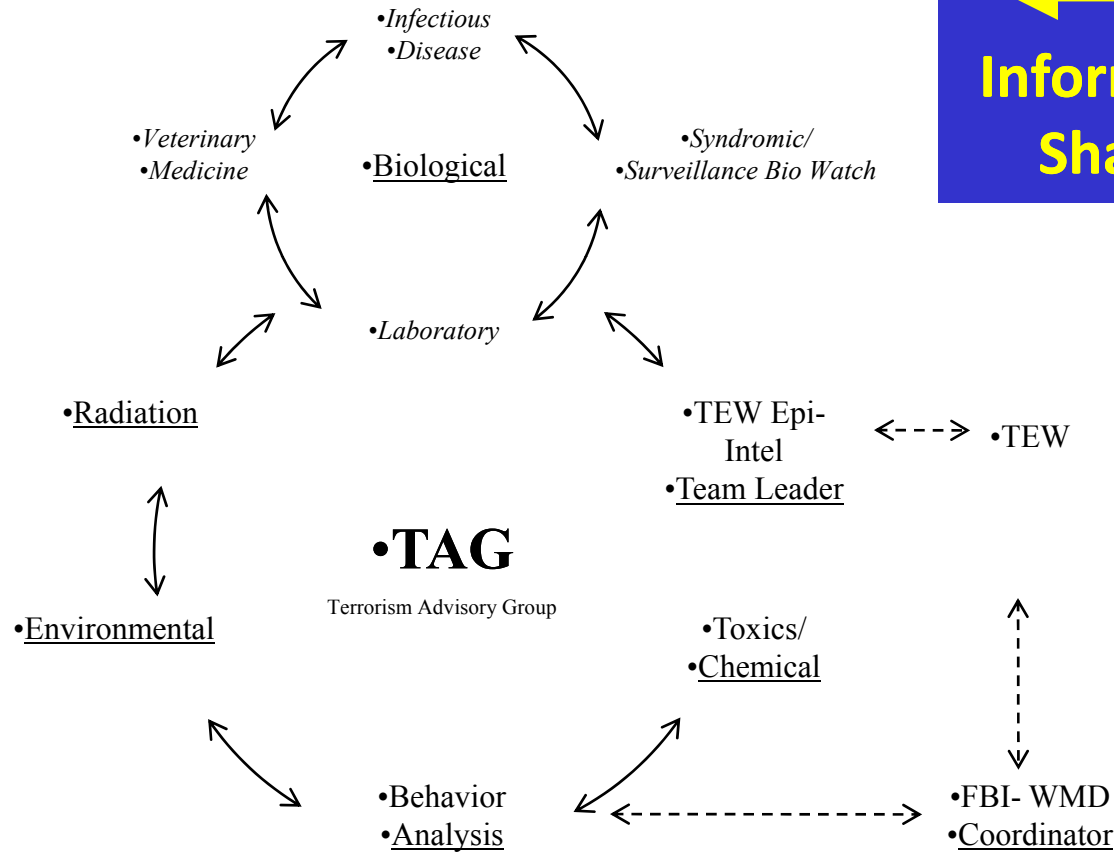
User ID Incident

Samples: 139 Run Time (hh:mm:ss): 00:04:32



The alert traveled through a maze of different systems that added and filtered its content to ensure the accuracy of the information and its appropriate distribution.

Regionalization



**Information
Sharing**

- Los Angeles City
- Los Angeles County
- Glendale
- Burbank
- Ontario
- Others

Federal Recognition

PNNL-17335

Assessment of Anaheim, Los Angeles, and Seattle
by Pacific Northwest National Laboratory
in support of the
Integrated Chemical, Biological, Radiological, Nuclear,
and Explosive Detection Systems Demonstration

for

Directorate for Science and Technology
U.S. Department of Homeland Security
Chemical and Biological Division
Office of Transition to Operations

February 13, 2008

Prepared by Pacific Northwest National Laboratory

WD Millard
ML Lind
SL Stein
JL Barr
CK Knudson

National Incident Management System (NIMS) Supporting Technology Evaluation Program (STEP) Report

Lifeline Wireless Monitoring System Version
1.2.0.0 Library Version 3.0.0

February 2008

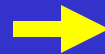


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Public Safety Solution

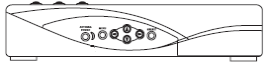
\$ / Grant



\$ S.E.E +



Satellite TV



Satellite

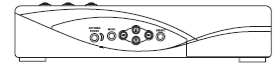


Squad
Hot-Spot

EVDO



Cellular/WiFi
Gateway



Other
Vehicles



Meters



Radiation

802.11a



802.11b/g



Access Point



Phone



Multi-Home Router



Switch

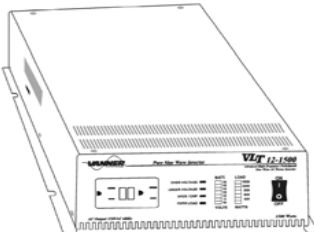


Printer/Copier/Fax



Real-Time
Micro-Climate
Weather

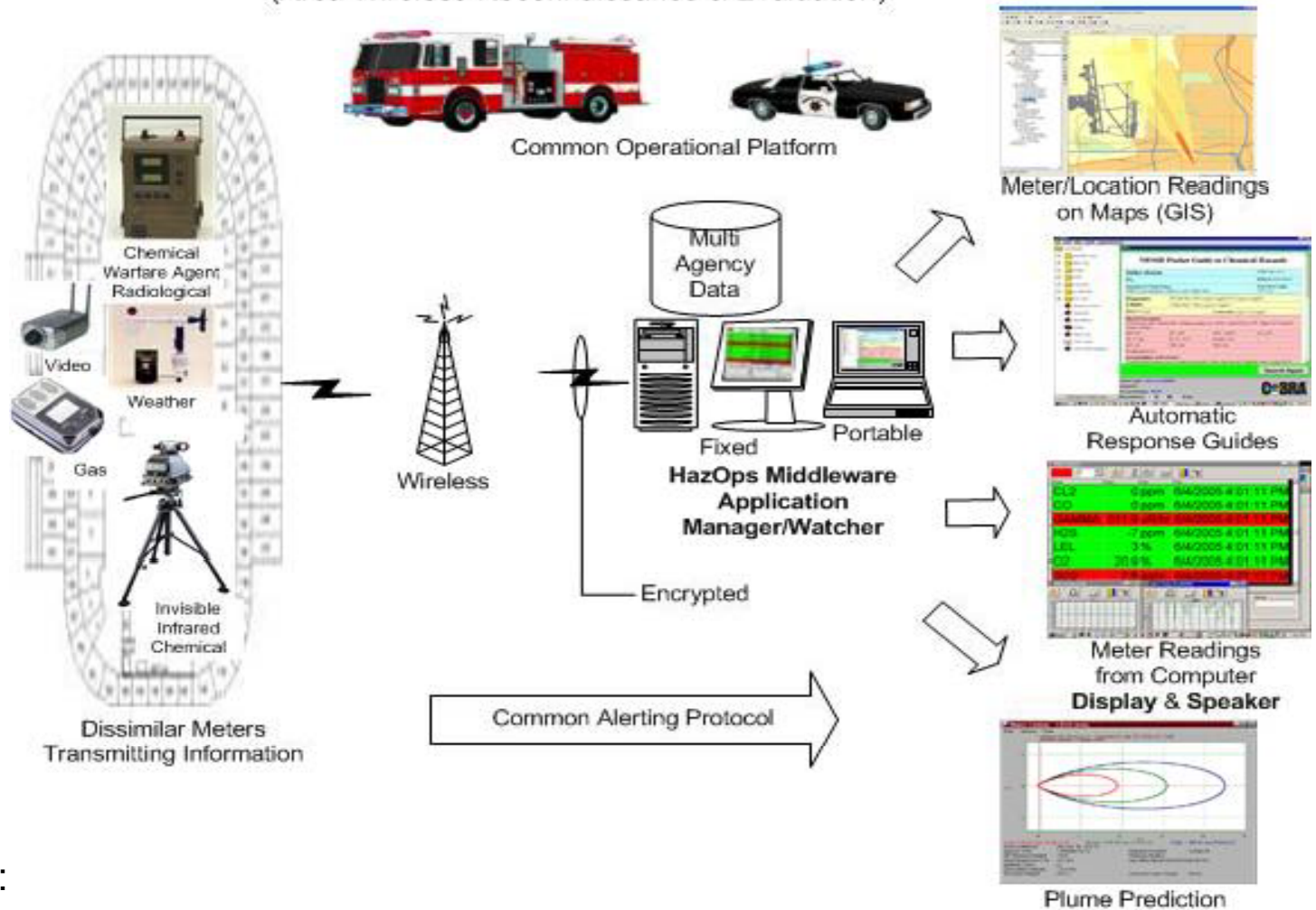
To Both
Computers



Power

AWARE

(Area Wireless Reconnaissance & Evaluation)



Applications:

Emergency Responses, Public Events, Building Protection, Mass Transportation Centers, Perimeter Monitoring, Hazardous Response, Confined Space Response, and Indoor/ Outdoor Air Quality Survey

Systems Integration, Installation & Support



- Clean Enclosed Freeway Close Facility
- Engineers & Installers
- Support for Life-Safety Equipment (24/7)
- Innovators – Research & Development Facilitators
- One-Stop Shop & Field Service
- Support for Drills & Events





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